

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Samir Khoury on 3/25/2010.

The application has been amended as follows:

Regards to claim 1:

The term "a mobile robot" (line 3 and 4) has been changed to "the mobile robot".

The term "a floor reaction force" (line 17, 22, 24, 26, 30 and 33) has been changed to "the floor reaction force".

The term "an" (line 29) has been changed to "the".

The term "a o-th" (line 33 and 34) has been changed to "an o-th".

The term "an" (line 37, 44 and 45) has been changed to "the".

Regards to claim 2:

The term "a mobile robot" (line 3 and 4) has been changed to "the mobile robot".

The term "an" (line 20, 28, 35 and 36) has been changed to "the".

The term "a floor reaction force" (line 20 and 24) has been changed to "the floor reaction force".

The term "a" (line 23 and 26) has been changed to "the".

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Regards to claim 3:

The term “body” (line 1) has been changed to “robot”.

The 2<sup>nd</sup> “a” (line 3) has been changed to “the”.

The term “an” (6<sup>th</sup> paragraph, line 6; 7<sup>th</sup> paragraph, line 2, 14, 16, 21 and 23) has been changed to “the”.

Regards to claim 4:

The term “body” (line 1) has been changed to “robot”.

The 2<sup>nd</sup> “a” (line 3) has been changed to “the”.

The term “an” (5<sup>th</sup> paragraph, line 3; 6<sup>th</sup> paragraph, line 2, 14, 16, 21 and 23) has been changed to “the”.

Regards to claim 5:

The term “action” (line 3) has been changed to “acting”.

Regards to claim 7:

The term “a” (1<sup>st</sup> paragraph, line 2; 3<sup>rd</sup> paragraph, line 5; 4<sup>th</sup> paragraph, line 1-3; 6<sup>th</sup> paragraph, line 7; and 7<sup>th</sup> paragraph, line 5) has been changed to “the”.

The 3<sup>rd</sup> “a” (3<sup>rd</sup> paragraph, line 4) has been changed to “the”.

The 2<sup>nd</sup> “a” (6<sup>th</sup> paragraph line 6) has been changed to “the”.

The term “the” has been inserted after the term “both” (5<sup>th</sup> paragraph, line 2), the term “and” (5<sup>th</sup> paragraph, line 3), the term “by” (2<sup>nd</sup> to the last line of the claim).

The term “an” (6<sup>th</sup> paragraph, line 6; 7<sup>th</sup> paragraph, line 2, 13, 14, 19 and 21) has been changed to “the”.

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Regards to claim 8:

The 2<sup>nd</sup> “a” (1<sup>st</sup> paragraph, line 2) has been changed to “the”.

The term “a” (3<sup>rd</sup> paragraph, line 5, 6; 5<sup>th</sup> paragraph, both on line 3; 6<sup>th</sup> paragraph, line 5) has been changed to “the”.

The term “the” (3<sup>rd</sup> paragraph, line 4, 8; 5<sup>th</sup> paragraph, line 3, 8) has been changed to ‘a’.

The term “floor reaction force component” (5<sup>th</sup> paragraph, line 5) has been removed.

The term ‘a’ (5<sup>th</sup> paragraph, line 8, both on line 11) has been changed to “an”.

The term “an” (6<sup>th</sup> paragraph, line 2, 13, 14, 19, 21 and 22) has been changed to “the”.

Regards to claim 9:

The term “an” (line 7) has been changed to “the”.

Regards to claim 10:

The terms ‘a’ (line 4) and “an” (line 11) have been changed to “the”.

Regards to claim 11:

The terms ‘a’ and “an”, both on line 7 has been changed to “the”.

Regards to claim 12:

The terms ‘a’ and “an”, both on line 10 has been changed to “the”.

Regards to claim 13:

The term “an” (5<sup>th</sup> paragraph, line 3; 6<sup>th</sup> paragraph, line 3) has been changed to “the”.

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Regards to claim 14:

The term “an” (4<sup>th</sup> paragraph, line 3; 5<sup>th</sup> paragraph, line 3) has been changed to “the”.

Regards to claim 15:

The term “an” (3<sup>rd</sup> paragraph, line 1 and 12; 5<sup>th</sup> paragraph, line 3; 6<sup>th</sup> paragraph, line 4 and 11) has been changed to “the”.

Regards to claim 16:

The term “an” (3<sup>rd</sup> paragraph, line 1 and 12, 5<sup>th</sup> paragraph, line 4 and 11) has been changed to “the”.

Regards to claim 17:

The term ‘a’ (3<sup>rd</sup> paragraph, line 1) has been removed.

The 1<sup>st</sup> “the” (3<sup>rd</sup> paragraph, line 6) has been changed to “an”.

The term “Berr” (3<sup>rd</sup> paragraph, line 9) has been changed to “Ferr”.

The term “an” (3<sup>rd</sup> paragraph, line 12; 5<sup>th</sup> paragraph, 3) has been changed to “the”.

The term “floor reaction force” (5<sup>th</sup> paragraph, line 10) has been changed to “ZMP”.

Regards to claim 18:

The term ‘a’ (3<sup>rd</sup> paragraph, line 1) has been removed.

The term ‘a’ (3<sup>rd</sup> paragraph, line 5 and 7) has been changed to “the”.

The 1<sup>st</sup> “the” (3<sup>rd</sup> paragraph, line 6) has been changed to “an”.

The term “Berr” (3<sup>rd</sup> paragraph, line 9) has been changed to “Ferr”.

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The term “an” (3<sup>rd</sup> paragraph, line 12; 4<sup>th</sup> paragraph, line 3; 5<sup>th</sup> paragraph, line 3 and 10) has been changed to “the”.

Regards to claim 19:

The term “action” (line 3) has been changed to “acting”.

2. The following is an examiner's statement of reasons for allowance: The prior arts on record do not disclose or teach calculating floor reaction force component error using two different dynamic model, correcting the provisional motion out of the permissible error range, repeat correction for determining the desired motion between two consecutive correction produced on dynamic model, discriminating if the floor reaction force component error change amount converges to zero during the repetitive correction process and performing the repetitive correction process on two floor reaction force components and in combination of all the limitations in the present claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sze-Hon Kong whose telephone number is (571)270-1503. The examiner can normally be reached on 7:30AM-5PM Mon-Fri, Alt. Fri. Eastern Time.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

3/26/2010

/Sze-Hon Kong/  
Examiner, Art Unit 3661

/Thomas G. Black/  
Supervisory Patent Examiner, Art Unit 3661